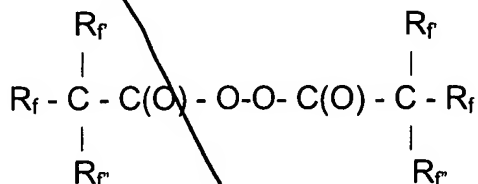


Sub B1
cont'd

5. (Amended) A polymerization process according to claim 2, wherein at temperatures of the order of -20° - $+25^{\circ}\text{C}$, the perfluorodiacylperoxides of structure (A) of formula:



are used, wherein when R_f is $-\text{CF}_3$, R_f and R_f are C_1 - C_3 linear or branched perfluorooxyalkyl groups.

6. (Amended) A polymerization process according to claim 2, wherein the fluorinated monomers are selected from:

- C_2 - C_8 perfluoroolefins, such as tetrafluoroethylene (TFE), hexafluoropropene (HFP);
- C_2 - C_8 hydrogenated fluoroolefins, such as vinyl fluoride (VF), vinylidene fluoride (VDF), trifluoroethylene, $\text{CH}_2=\text{CH}-\text{R}_f$ perfluoroalkylethylene, wherein R_f is a C_1 - C_6 perfluoroalkyl, hexafluoroisobutene;
- C_2 - C_8 chloro-fluoroolefins, such as chlorotrifluoroethylene (CTFE);
- $\text{CF}_2=\text{CFOR}_f$ (per)fluoroalkylvinylethers (PAVE), wherein R_f is a C_1 - C_6 (per)fluoroalkyl, for example CF_3 , C_2F_5 , C_3F_7 ;
- $\text{CF}_2=\text{CFOX}$ (per)fluoro-oxyalkylvinylethers, wherein X is: a C_1 - C_{12} alkyl, or a C_1 - C_{12} oxyalkyl, or a C_1 - C_{12} (per)fluorooxyalkyl having one or more ether groups;
- perfluorodioxoles, such as 2,2,4-trifluoro-5-trifluoromethoxy-1,3-dioxole (TTD), 2,2-bis-trifluoromethyl-4,5-difluoro-dioxole (PPD);

Sub B1
cont'd

sulphonic monomers, such as $\text{CF}_2=\text{CFOCF}_2\text{CF}_2\text{SO}_2\text{F}$;

- fluorinated dienes such as $\text{CF}_2=\text{CFOCF}_2\text{CF}_2\text{CF}=\text{CF}_2$,
 $\text{CF}_2=\text{CFOCCl}_2\text{CF}_2\text{CF}=\text{CF}_2$, $\text{CF}_2=\text{CFOCF}_2\text{OCF}=\text{CF}_2$, $\text{CF}_2=\text{CFOCF}_2\text{OCCl}=\text{CF}_2$,
 $\text{CF}_2=\text{CFOC}(\text{CF}_3)_2\text{OCF}=\text{CF}_2$.

7. (Amended) A polymerization process according to claim 2, wherein the perfluorodiacylperoxide initiator is fed in a continuous way or by a single addition at the starting of the polymerization.

8. (Amended) A polymerization process according to claim 2, wherein the amount of perfluorodiacylperoxide initiator is in the range 0.0001% - 5% by moles with respect to the amount of the fed monomers.

REMARKS

Claims 1-8 are pending in this application. By this Amendment, claims 4-8 are amended to correct the multiple dependencies thereof and to place this application into better condition for examination. No new matter has been added.